

**USPTO Form 1449 U.S. Department of Commerce
Patent and Trademark Office**

INFORMATION DISCLOSURE CITATION

Sheet 5 of 7

Attorney Docket No.
04859.00006

Serial No.
09/668,144

Applicant(s): Jonnie R. WILLIAMS

Filing Date: 9/25/00

Group: 1731

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
			NAME				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

<i>NYK</i>	S. Fischer et al., "Preformed tobacco-specific nitrosamines in tobacco—role of nitrate and influence of tobacco type", <i>Genesis</i> vol. 10 no. 8, pp. 1511-1517, 1989.
<i>NYK</i>	W. Gondwe et al., "Screening Tobacco Types, Cultivars and Curing Methods for Low Nitrosamine Tobacco Production in Malawi", Agricultural Research and Extension Trust, 1996 Coresta Congress at Yokohama, Japan, November 1996.
<i>NYK</i>	S. Fischer et al., "Tobacco-specific nitrosamines in European and USA cigarettes", <i>Arch. Geschwulstforsch.</i> , 60 (1990) Heft. 3.
<i>NYK</i>	D. Hoffmann et al., "The Role of Volatile and Nonvolatile <i>N</i> -Nitrosamines in Tobacco Carcinogenesis", Naylor Dana Inst. for Disease Prevention, American Health Foundation, Valhalla, New York
<i>NYK</i>	M. Dixon et al., "Enzymes", Second Edition, American Press, New York, 1964, pp. 144-151.
<i>NYK</i>	World Agriculture Series, Tobacco Production, Chemistry and Technology, pp. 129 and 132.
<i>NYK</i>	Recent Advances in Tobacco Science, Volume 21, "Impact of Plant Manipulation and Post Harvest Phenomena on Leaf Composition", Symposium Proceedings 49 th Meeting Tobacco Chemists' Research Conference, September 24-27, 1995, Lexington, Kentucky, pp. 3-81.

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

****Copies of references not provided at the time of this submission.**

15



USPTO Form 1449 U.S. Department of Commerce
Patent and Trademark Office

**INFORMATION DISCLOSURE
CITATION**

Sheet 7 of 7

Borney Docket No.
04859.00006

Serial No.
09/668,144

Applicant(s): Jonnie R. WILLIAMS

Filing Date: 9/25/00

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

<i>MPC</i>	R.A. Andersen et al., "Effects of Air-Curing Environment on Alkaloid-Derived Nitrosamines in Burley Tobacco", U.S. Department of Agriculture and College of Agriculture, University of Kentucky, Lexington, KY, pp. 451-455.
<i>MPC</i>	R.A. Scanlan et al., "N-Nitrosodimethylamine in Nonfat Dry Milk", Chapter 3, 1994 Am. Chem. Soc.
<i>MPC</i>	ACS Symposium Series, "Nitrosamines and Related N-Nitroso Compounds", 204 th National Meeting of the American Chemical Society, Washington, D.C., August 23-28, 1992.
<i>MPC</i>	Abstract, M. Cui et al., "Factors in Tobacco-Specific n-Nitrosamine Accumulation in Tobacco", University of Kentucky, 1996.
<i>MPC</i>	Abstract, P.D. Legg et al., "Nitrogenous Constituents in Dark Air-Cured and Fire-Cured Cultivars", University of Kentucky; USDA/Georgia, 1986.
<i>MPC</i>	S.V. Bhide et al., "Tobacco Specific N-Nitrosamines in Green Mature Tobacco Leaves and its Progressive Increase on Drying and Processing".

EXAMINER	<i>Michael Colacic</i>	DATE CONSIDERED	<i>9/6/01</i>
----------	------------------------	-----------------	---------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.



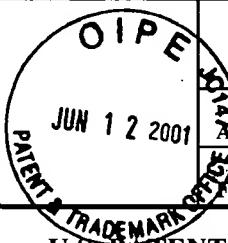
USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION Sheet 6 of 7			Attorney Docket No. 04859.00006		Serial No. 09/668,144	
			Applicant(s): Jonnie R. WILLIAMS			
			Filing Date: 9/25/00		Group: 1731	
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
			<i>None</i>			
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES
		<i>None</i>				
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
<i>MPEC</i>	H. Burton et al., "Relationship between Tobacco-Specific Nitrosamines and Nitrite from Different Air-Cured Tobacco Varieties", J. Agric. Food Chem., 1994, 42, pp. 2007-2011.					
<i>MPEC</i>	Information Bulletin, Cooperation Centre for Scientific Research Relative to Tobacco (CORESTA), 1991-2, Abstr.-Ref. 6210-6646.					
<i>MPEC</i>	Letter from Paul L. Perito to Dr. Bertold Spiegelhalder dated April 2, 2001.					
<i>MPEC</i>	Email communication from Dr. Bertold Spiegelhalder to Paul L. Perito dated 5/31/01					
<i>MPEC</i>	A.R. Tricker et al., "The occurrence of N-nitro compounds in zarda tobacco", Cancer Letters, 42 (1988) 113-118.					
<i>MPEC</i>	S.S. Hecht, "Biochemistry, Biology, and Carcinogenicity of Tobacco-Specific N-Nitrosamines", Chemical Research in Toxicology, June 1998, Volume 11, Number 6: 559-603.					
<i>MPEC</i>	S.V. Bhide et al., "Tobacco-specific N-Nitrosamines [TSNA] in Green Mature and Processed Tobacco Leaves from India", Beitrage zur Tabakforschung International, Volume 14, No. 1, December 1987.					
<i>MPEC</i>	B.K. Larsson et al., "Polycyclic Aromatic Hydrocarbons and Volatile N-Nitrosamines in Some Dried Agricultural Products", Swedish J. agric. Res. 49-56, 1990.					
<i>MPEC</i>	T.C. Tso et al., "Some Agronomic Factors Affecting N-Dimethyl-nitrosamine Content in Cigarette Smoke", Beitrage zur Tabakforschung, Band 8, Heft 1, Januar 1975.					
<i>MPEC</i>	J.L. Hamilton et al., "Nitrate Concentration Changes During Senescence and Air Curing of Burley Tobacco", Tobacco Science, XXVI:pp. 133-137; TOBACCO INTERNATIONAL, Vol. 184, No. 24, pp. 44-48.					
<i>MPEC</i>	Technology Architecture, 1995, pp. 146-148.					
<i>MPEC</i>	M.V. Djordjevic et al., "Tobacco-Specific Nitrosamine Accumulation and Distribution in Flue-Cured Tobacco Alkaloid Isolines", J. Agric. Food Chem. 1989, 37, 752-756.					
<i>MPEC</i>	G. Stehlík et al., "Concentration of Dimethylnitrosamine in the Air of Smoke-Filled Rooms", Ecotoxicology and Environmental Safety 6. 495-500 (1982).					
EXAMINER <i>Michael Colaianni</i>				DATE CONSIDERED <i>9/6/01</i>		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.						
**Copies of references not provided at the time of this submission.						

USPTO Form 1449 U.S. Department of Commerce
Patent and Trademark Office
**INFORMATION DISCLOSURE
CITATION**

Attorney Docket No.
04859.00006

Serial No.
09/668,144

Sheet 1 of 7



Applicant(s): Jonnie R. WILLIAMS

Filing Date: 9/25/00

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
MP	2,343,345	3/7/44	Touton	—	—	
MP	1,545,811	7/14/25	Buensod	—	—	
MP	1,543,245	6/23/25	Buensod	—	—	
MP	4,156,431	5/29/79	Epstein et al.	—	—	
MP	2001/0000386 A1	4/26/01	Peele	—	—	4/26/99
MP	5,018,281	5/28/91	Bulluck, Jr.	—	—	
MP	3,937,227	2/10/76	Azumano	—	—	
MP	4,114,288	9/19/78	Fowler	—	—	
MP	4,192,323	3/11/80	Horne	—	—	
MP	4,206,554	6/10/80	Fowler	—	—	
MP	4,247,992	2/3/81	MacGregor	—	—	
MP	4,424,024	1/3/84	Wilson et al.	—	—	
MP	5,685,710	11/11/97	Martinez Sagrera et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation TO 100 YES NO
MP	1026186	2/14/78	Canada	—	—	ENGLISH

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

None

EXAMINER

Michael Colari

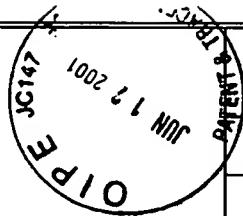
DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATION



Attorney Docket No.
04859.00006

Serial No.
09/668,144

Applicant(s): Jonnie R. WILLIAMS

Sheet 2 of 7

Filing Date: 9/25/00

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
			<i>None</i>			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
			<i>None</i>				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

<i>MPL</i>	C.T. MacKown et al., <i>Tobacco-Specific N-Nitrosamines: Effect of Burley Alkaloid Isolines and Nitrogen Fertility Management</i> , 1984 American Chemical Society, J. Agric. Food Chem. 1984, 32, 1269-1272.
<i>MPL</i>	H.R. Burton et al., "Changes in Chemical Composition of Burley Tobacco during Senescence and Curing. 3. Tobacco-Specific Nitrosamines", J. Agric. Food Chem., 1989, 37, pp. 426-430.
<i>MPL</i>	H. Ohshima et al., "Identification and Occurrence of Two New N-Nitrosamino Acids in Tobacco Products: 3-(N-Nitroso-N-Methylamino) Propionic Acid and 4-(N-Nitroso-N-Methylamino) Butyric Acid, Cancer Letters, 1985, 153-162.
<i>MPL</i>	K. Brunnemann et al., "Analytical Studies on Tobacco-Specific N-Nitrosamines in Tobacco and Tobacco Smoke", Toxicology, Naylor Dana Institute for Disease Prevention, 1991, Vol. 21, Issue 4, 235-240.
<i>MPL</i>	K. Brunnemann et al., "Role of Tobacco Stems in the Formation of N-Nitrosamines in Tobacco and Cigarette Mainstream and Sidestream Smoke", 1983 American Chemical Society, J. Agric. Food Chem., Vol. 31, No. 6, 1221-1224.
<i>MPL</i>	D. Hoffmann et al., "Carcinogenic Tobacco-specific N-Nitrosamines in Snuff and in the Saliva of Snuff Dippers", Cancer Research 1981, 43, 4305-4308.

EXAMINER

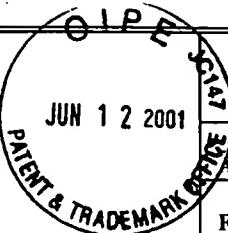
Michael A. Klein

DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATIONAttorney Docket No.
04859.00006Serial No.
09/668,144

Sheet 3 of 7

Applicant(s): Jonnie R. WILLIAMS

Filing Date: 9/25/00

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
		<i>None</i>				

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
		<i>None</i>					

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

<i>MPC</i>	S. Hecht et al., "Tobacco-Specific Nitrosamines: Formation From Nicotine in Vitro and During Tobacco Curing and Carcinogenicity in Strain A Mice", J. Natl. Cancer Inst., 1978, Vol. 60, No. 4, 819-824.
<i>MPC</i>	H. Burton et al., "Distribution of Tobacco Constituents in Tobacco Leaf Tissue. 1. Tobacco-Specific Nitrosamines, Nitrate, Nitrite, and Alkaloids", J. Agric. Food Chem., 1992, 40, pp. 1050-1055.
<i>MPC</i>	H. Burton et al., "Changes in Chemical Composition of Tobacco Lamina during Senescence and Curing. I. Plastic Pigments", J. Agric. Food Chem., 1985, 33, pp. 879-883.
<i>MPC</i>	Program, 44 th Tobacco Chemists' Research Conference, 1990, Winston-Salem, North Carolina, pp. 32-33..
<i>MPC</i>	Program, 49 th Tobacco Chemists' Research Conference, 1995, Vol. 49, Lexington, Kentucky, p. 38.
<i>MPC</i>	B. Spiegelhalder, "A Method for the Determination of Tobacco-specific Nitrosamines (TSNA), Nitrate and Nitrite in Tobacco Leaves and Processed Tobacco", Beitrage zur Tabakforschung International, Vol. 14, No. 3, January 1989.
<i>MPC</i>	Program Booklet and Abstracts, 53 rd Tobacco Science Research Conference, 1999, Montreal, Quebec, Canada, pp. 68-69.
<i>MPC</i>	S. Fischer et al., "Exposure to Tobacco specific nitrosamines by the different habits of tobacco use, examination of transfer rates and the influence of smoking habits".
<i>MPC</i>	D. Hoffmann et al., "Nicotine-derived N-Nitrosamines and Tobacco-related Cancer: Current Status and Future Directions", Cancer Research, 1985, Vol. 45, 935-944.
<i>MPC</i>	S. Hecht et al. "Chemical Studies on Tobacco Smoke. XXXIII. N-Nitrosonornicotine in Tobacco: Analysis of Possible Contributing Factors and Biologic Implications", J. Natl. Cancer Inst., 1974, Vol. 54, No. 5, 1237-1244.
<i>MPC</i>	D. Ralt et al., "The Role of Bacteria in Nitrosamine Formation", 1981 American Chemical Society, pp. 157-164.

EXAMINER

Michael Collier

DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.



USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION Sheet 4 of 7			Attorney Docket No. 04859.00006		Serial No. 09/668,144	
			Applicant(s): Jonnie R. WILLIAMS		Filing Date: 9/25/00	
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
			<i>None</i>			
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES
		<i>None</i>				
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
<i>MPC</i>	S. Fischer et al., "Investigations on the origin of tobacco-specific nitrosamines in mainstream smoke of cigarettes", Carcinogenesis vol. 11, no. 5 pp. 723-730, 1990.					
<i>MPC</i>	S. Fischer et al., "Tobacco-specific nitrosamines in Canadian cigarettes", J. Cancer Res. Clin. Oncol., 1990, 116, pp. 563-568.					
<i>MPC</i>	A.R. Tricker et al., "The occurrence of N-nitroso compounds in kiwam tobacco", Cancer Letters, 49 (1989) 221-224.					
<i>MPC</i>	S.E. Atawodi et al., "Tobacco-specific nitrosamines in some Nigerian-cigarettes", Cancer Letters 97 (1995) 1-6.					
<i>MPC</i>	Abstract, "Formation of Tobacco-Specific Nitrosamines", Critical Reviews in Toxicology, 21, No. 4, p. 241 (1991).					
<i>MPC</i>	S. Fischer et al., "No Pyrolysis of N'-Nitrosonornicotine (NNN) and 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone (NNK) from Nicotine", Inst. of Toxicology and Chemotherapy, German Cancer Research Center, Heidelberg, FRG.					
<i>MPC</i>	P. Mende et al., "Occurrence of the nitrosamide precursor pyrrolidin-(2)-one in food and tobacco", Carcinogenesis vol. 15, no. 4, pp. 733-737, 1994.					
<i>MPC</i>	Recent Advances in Tobacco Science, Volume 17, "Topics of Current Scientific Interest in Tobacco Research" Proceedings of a Symposium Presented at the 45 th Meeting of the Tobacco Chemists Research Conference, October 1991, Asheville, North Carolina, pp. 71-112.					
<i>MPC</i>	B. Spiegelhalder et al., "Tobacco-specific nitrosamines", European Journal of Cancer Prevention 1996, 5 (Supplement 1), 33-38.					
<i>MPC</i>	K. Brunnemann et al., "N-Nitrosamines in Chewing Tobacco: An International Comparison", J. Agric. Food Chem. 1955, 33, 1178-1181.					
EXAMINER <i>Michael Colaianni</i>	DATE CONSIDERED <i>9/6/01</i>					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATION

Sheet 1 of 6

Applicant(s): Jonnie R. WILLIAMS

Filing Date: Herewith

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
MPK	4,907,605	3/13/1990	Ray et al.	—	—	
MPK	4,906,274	3/6/1990	Mattox	—	—	
MPK	5,127,934	7/7/1992	Mattox	—	—	
MPK	5,125,420	6/30/1992	Livingston	—	—	PC862 U.S. PTO 09/25/00
MPK	4,836,222	6/6/1989	Livingston	—	—	JPC862 U.S. PTO 09/25/00
MPK	4,805,642	2/21/1989	Rainer	—	—	
MPK	4,709,710	12/1/1987	Gaisch et al.	—	—	
MPK	4,685,478	8/11/1987	Malik et al.	—	—	
MPK	4,566,469	1/28/1986	Semp et al.	—	—	
MPK	4,559,956	12/24/1985	De Lange et al.	—	—	
MPK	4,556,073	12/3/1985	Gravely et al.	—	—	
MPK	4,364,401	12/21/1982	Keritsis	—	—	
MPK	4,301,817	11/24/1981	Keritsis	—	—	
MPK	3,664,034	5/23/1972	Wilson	—	—	
MPK	3,202,157	8/24/1965	R.D. Touton	—	—	
MPK	3,039,475	6/19/1962	Neukomm et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	English Abstract	
						YES	NO
MPK	DE 3904169A1	8/16/1990	Germany	—	—	X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER *Michael Colain*DATE CONSIDERED *9/6/01*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATION

Sheet 2 of 6

Applicant(s): Jonnie R. WILLIAMS

09/06/81/44

Filing Date: Herewith

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
MPK	2,989,057	6/20/1961	Touton	—	—	
MPK	2,475,568	7/5/1949	Moore, Jr.	—	—	
MPK	3,024,792	3/13/1962	Touton	—	—	
MPK	4,212,634	7/15/1980	Mitchell et al.	—	—	
MPK	4,470,422	9/11/1984	Joubert et al.	—	—	
MPK	5,335,590	8/9/1994	Crump, III et al.	—	—	
MPK	4,557,280	12/10/1985	Gravely et al.	—	—	
MPK	5,791,353	8/11/1998	Junemann et al.	—	—	9/12/96
MPK	4,622,982	11/18/1986	Gaisch et al.	—	—	
MPK	4,651,759	3/24/1987	Uydess	—	—	
MPK	4,572,219	2/25/1986	Gaisch et al.	—	—	
MPK	5,023,376	6/11/1991	Shehad et al.	—	—	
MPK	5,431,175	7/11/1995	Beckett et al.	—	—	
MPK	5,515,775	5/14/1996	Crump, III et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
		None					

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

None

EXAMINER Michael Cali DATE CONSIDERED 9/6/61

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

9/25/00

USPTO Form 1449 INFORMATION DISCLOSURE CITATION Sheet 3 of 6		U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 04859.00006	Serial No. Not Assigned
		Applicant(s): Jonnie R. WILLIAMS 09/68/44		
		Filing Date: Herewith		Group: 1731
U.S. PATENT DOCUMENTS				
<u>NONE</u>				
FOREIGN PATENT DOCUMENTS				
<u>NONE</u>				
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)				
Examiner Initial				
<i>MPC</i>		R.A. Andersen et al., <i>Changes in Chemical Composition of Homogenized Leaf-Cured and Air-Cured Burley Tobacco Stored in Controlled Environments</i> , 1982 American Chemical Society, <i>J. Agric. Food Chem.</i> 1982, 30, 663-668.		
<i>MPC</i>		C.T. MacKown et al., <i>Tobacco-Specific N-Nitrosamines: Formation During Processing of Midrib and Lamina Fines</i> , 1988 American Chemical Society, <i>J. Agric. Food Chem.</i> 1988, 36, 1031-1035.		
<i>MPC</i>		R.A. Andersen et al., <i>Accumulation of 4-(N-Methyl-N-nitrosamino)-1-(3-pyridyl)-1-butanone in Alkaloid Genotypes of Burley Tobacco during Postharvest Processing: Comparisons with N'-Nitrosonornicotine and Probable Nitrosamine Precursors</i> , <i>Cancer Research</i> Vol. 45, November 1985, pgs. 5287-5293.		
<i>MPC</i>		W.J. Chamberlain et al., <i>Effects of Curing and Fertilization on Nitrosamine Formation in Bright and Burley Tobacco</i> , Phytochemical Research Unit, USDA, Agricultural Research Service, <i>Beitrage zur Tabakforschung International</i> , Vol. 15, No. 2, April 1992.		
<i>MPC</i>		C. Mingwu et al., <i>Effect of Maleic Hydrazide Application on Accumulation of Tobacco-Specific Nitrosamines in Air-Cured Burley Tobacco</i> , <i>J. Agric. Food</i> (1994), 42(12), 2912-16.		
<i>MPC</i>		W.J. Chamberlain et al., <i>Studies on the Reduction of Nitrosamines in Tobacco</i> , <i>Tobacco International</i> , (1986) Vol. 188, No. 16, pp. 38-39.		
<i>MPC</i>		Q. Qungang, <i>Changes In Tobacco-Specific Nitrosamines, Alkaloids, Nitrate, Nitrite and Lamina Leachate Conductivity of Dark Tobacco During Curing</i> , <i>Bulletin d'Information - Coresta</i> , (1991) No. 2, pp. 7-22.		
<i>MPC</i>		C. Mingwu, <i>The Source and the Regulation of Nitrogen Oxide Production for Tobacco-Specific Nitrosamine Formation During Air-Curing</i> , University of Kentucky, Lexington, (1998) 178pp. Avail.: UMI, Order No. DA9907718 From: Diss. Abstr. Int., B 1999, 59(9), 4548 Dissertation.		
<i>MPC</i>	-	W.J. Chamberlain et al., <i>Levels of N-nitrosonornicotine in Tobaccos Grown Under Varying Agronomic Conditions</i> , <i>Tobacco International</i> , (1984) Vol. 186, No. 26, pp. 111-113.		
EXAMINER	<i>Michael Calais</i>		DATE CONSIDERED 9/6/01	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.</p> <p>**Copies of references not provided at the time of this submission.</p>				

INFORMATION DISCLOSURE
CITATION

Sheet 4 of 6

Applicant(s): Jonnie R. WILLIAMS

89/668,144

Filing Date: Herewith

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
MP	5,139,035	08/18/1992	Lasch et al.	—	—	
MP	3,785,384	01/15/1974	Sylvester et al.	—	—	
MP	4,756,317	07/12/1988	Edwards	—	—	
MP	4,430,806	02/14/1984	Hopkins	—	—	
MP	3,699,976	10/1972	Abe et al.	—	—	
MP	3,773,055	11/1973	Sturgis et al.	—	—	
MP	3,877,468	4/1975	Lichtneckert et al.	—	—	
MP	3,901,248	8/1975	Lichtneckert et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
MP	1,484,663	02/14/1975	England	—	—	X	
MP	WO 94/07382	04/14/1994	PCT	—	—	X	
MP	GB 2 064 294 A	06/17/1981	Great Britain	—	—	X	
MP	706,052	03/24/1954	England	—	—	X	
MP	1,767,677	6/1968	Germany	—	—		X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

MP	H. R. Burton et al., "Influence of Temperature and Humidity on the Accumulation of Tobacco-Specific Nitrosamines in Stored Burley Tobacco", J. Agric. Food Chem., 1989, 37, pp. 1372-1377
MP	Abstract, "Treatment of Organic Materials", Research Disclosure, No. 29139, July 1988, XP000054259, New York, NY
MP	Search Report from EP 97 93 8069 dated October 14, 1999

EXAMINER

Michael Colarai

DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATION

Sheet 5 of 6

Applicant(s): Jonnie R. WILLIAMS

O 9/6/81 44

Filing Date: Herewith

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
MPC	4,317,837	3/1982	Kehoe et al.	—	—	
MPC	4,430,806	2/1986	Hopkins	—	—	
MPC	4,802,498	2/1989	Ogren	—	—	
MPC	4,821,747	4/1989	Stuhl et al.	—	—	
MPC	4,874,000	10/1989	Tanol et al.	—	—	
MPC	4,898,189	2/1990	Wochnowski	—	—	
MPC	5,488,962	2/1996	Perfetti	—	—	
MPC	2,758,603	8/1956	Heljo	—	—	
MPC	3,394,709	7/1968	Remer	—	—	
MPC	3,494,723	2/1970	Gray	—	—	
MPC	3,494,724	2/1970	Gray	—	—	
MPC	3,845,774	11/1974	Tso et al.	—	—	
MPC	4,790,335	12/1988	Marley et al.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
—	—	—	—	—	—	—	—

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

MPC	Declaration of Harold R. Burton, Ph.D. with Exhibits A-H as follows.
MPC	(A) Data from QD, FD, MW Sample Testing/1993 Study
MPC	(B) Data from QD and FD Sample Testing/1994 Study
MPC	(C) Progress Report/Undated

EXAMINER

Michael Colar

DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE
CITATION

Sheet 6 of 6

Applicant(s): Jonnie R. WILLIAMS

09/668/144

Filing Date: Herewith

Group: 1731

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>MPC</i>	3,870,053	3/1975	Heitkamp et al.	—	—	
<i>MPC</i>	4,559,956	12/1985	De Lange et al.	—	—	
<i>MPC</i>	4,355,648	10/1982	Bokleman et al.	—	—	
<i>MPC</i>	5,810,020	09/1998	Northway et al.	—	—	
<i>MPC</i>	4,620,556	11/1986	Rosson et al.	—	—	
<i>MPC</i>	5,372,149	12/1994	Roth et al.	—	—	
<i>MPC</i>	5,803,081	09/1998	O'Donnell, Jr. et al.	—	—	
<i>MPC</i>	4,590,954	05/1986	Gooden	—	—	
<i>MPC</i>	1,017,713	02/1912	Vaughan	—	—	
<i>MPC</i>	2,124,012	07/1938	Smith, Jr.	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES
			<i>NONE</i>			NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

<i>MPC</i>	(D) CORESTA Conference, Agronomy & Phytopathology Joint Meeting, Reunion Commune Des Groupes Agronomie Et Phytopathologie/Abstracts, Oxford 1995 (see Abstract on page 5 - Burton et al.)
<i>MPC</i>	(E) Overheads from 1995 CORESTA conference presentation by Burton, 1993 Study
<i>MPC</i>	(F) Overheads from 1995 CORESTA conference presentation by Burton, 1994 Study
<i>MPC</i>	(G) Wiernik et al., Effect of Air-Curing On The Chemical Composition of Tobacco/1995
<i>MPC</i>	(H) Burton letter to Jonnie R. Williams
<i>MPC</i>	International Search Report from PCT/US99/20909 dated December 23, 1999

EXAMINER

Michael Calais

DATE CONSIDERED

9/6/01

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.